



TORONTECH

ADJUSTABLE VOLUME PARTICLE QUANTIFIER INSTRUMENT - TORONPQI™ 2000



ToronPQI™ 2000 - Enhanced Precision with Volume Control - ASTM D8184

The ToronPQI™ 2000 builds on the proven performance of the PQI-1000, offering advanced control over sample volume and improved repeatability for more demanding test environments.

Engineered for laboratories that require higher throughput and flexible dosing, the ToronPQI™ 2000 remains fully compliant with ASTM D8184, providing fast, accurate, and consistent ferrous debris quantification using the PQ index method.

Compliance

- Complies with ASTM D8184 standard for Particle Quantifier (PQ) method — ensuring traceable, globally accepted ferrous debris results.

APPLICATIONS

Applications

- Oil and hydraulic fluid analysis labs
- Industrial maintenance and fleet monitoring
- Tribology research and quality control programs
- Equipment reliability and CBM systems

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FEATURES

Key Features & Benefits

- Adjustable Sample Volume (1-5 mL) for optimized measurement consistency.
- Fast 7-Second Testing Cycle – high-speed throughput for oil labs.
- Accurate Repeatability – ± 4 PQ or ± 1 % error limit.
- No Pretreatment Required – direct oil injection testing.
- Compact Footprint identical to PQI-1000 for easy integration.
- USB Data Connectivity for record transfer and analysis.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Measurement Range	0 - 15 000 PQ
Repeatability	± 4 PQ or ± 1 %
Measurement Time	≈ 7 s
Adjustable Volume	1 - 5 mL

Parameter	Specification
Detection Limit	$\geq 1 \mu\text{m}$ ferromagnetic particles
Voltage	AC 220 V $\pm$ 10 %, 50-60 Hz (110V is also available)
Dimensions	370 × 222 × 140 mm
Weight	$\approx$ 4.2 kg



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